

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Amendments to the Claims:

1. (Currently Amended) A method for determining, ~~in a timeslot, the an~~ initial setting of a gain control loop; ~~the gain control loop being included in of a receiver for processing a data signal received in a selected timeslot of a current time frame of a time frame format, of a communication system which utilizes repeating frames, each frame having a plurality of timeslots;~~ the method comprising:

storing ~~the a~~ setting of the gain control loop for ~~a particular~~ the selected timeslot with respect to a preceding time frame;

retrieving said stored setting in the corresponding timeslot of a subsequent frame;

providing a correction factor corresponding to a saturation value; and

adjusting said stored setting by said a correction factor; and

selecting between the adjusted stored setting and a predetermined fixed value to provide said initial setting.

2. (Currently Amended) The method of claim 1 wherein said correction factor that is used to adjust said stored setting is $10^{\Delta/20}$, where Δ is a predetermined offset from 0 to -20dB, and said predetermined fixed value is $10^{1/20}$ where Δ is in the range of 0 to -75 dB.

3. (Currently amended) A method for adjusting a determining the setting of a gain control loop; the gain control loop being included in of a receiver with respect to a selected timeslot of time frame format, of a communication system

~~which utilizes repeating frames, each frame having a plurality of timeslots; the method comprising:~~

~~receiving a segment of data, the segment of data comprising processing a first plurality of samples of a data signal received in the selected timeslot of a current time frame with an initial gain factor;~~

~~determining, from said first plurality of samples, the a first number of said first samples which exceed a saturation criteria first threshold;~~

~~processing a second plurality of samples of the data signal received in the selected timeslot of the current time frame that are processed with a gain factor adjusted setting the gain of the gain control loop for a particular timeslot based, at least in part, upon said first number;~~

~~determining, from said second plurality of samples, a second number of said second samples which exceed the saturation criteria; and~~

~~processing a third plurality of samples of the data signal received in the selected timeslot of the current time frame that are processed with a gain factor adjusted based, at least in part, upon said second number. and~~

~~using said number to perform a comparison and generating a response in response to said comparison.~~

4. (Currently amended) The method of claim 3, ~~wherein said segment of data includes a first portion whereby samples are examined and a second portion whereby samples are not examined~~ processing a plurality of samples of the data signal received in the selected timeslot of the current time frame between processing said first plurality of samples and said second plurality of samples and processing a plurality of samples of the data signal received in the selected timeslot of the current time frame between processing said second plurality of samples and said third plurality of samples.

5. (Cancelled)
6. (Currently Amended) The method of claim 3, further comprising ~~adjusting said~~ making gain factor adjustments using by a power correction factor.
7. (Currently Amended) The method of claim 6, wherein said power correction factor depends, at least in part, upon ~~said~~ a determined number of samples exceeding the saturation criteria.
8. (Currently Amended) The method of claim 7, further comprising a lookup table, which receives ~~said~~ the determined number and outputs said power correction factor.
9. (Currently Amended) The method of claim 3, further comprising comparing ~~said~~ a determined number of samples exceeding the saturation criteria out of a selected plurality of samples to a ~~second~~ threshold; ~~whereby and erasing the selected plurality of samples if said second threshold is exceeded, said segment of data is deleted.~~
10. (Cancelled).
11. (Cancelled).
12. (New) A receiver comprising:
a gain control loop configured to process samples of a data signal received with respect to a selected timeslot of a time frame including;
a gain control for applying a gain factor to samples of the data signal;

a saturation detection circuit configured to process samples from the gain control in selected groups to determine a number of samples within a group which exceed a saturation criteria;

a gain control adjustment circuit operatively associated with said gain control and said saturation detection circuit to adjust the gain factor applied by the gain control based in part on group saturation numbers determined by the saturation detection circuit while processing the data signal received with respect to the selected timeslot of time frame such that:

an initial gain factor is applied to a first group of samples of the data signal received in the selected timeslot for which a first group saturation number is determined by the saturation detection circuit,

a gain factor adjusted based in part on the first group saturation number is applied to a second group of samples of the data signal received in the selected timeslot for which a second group saturation number is determined by the saturation detection circuit, and

a gain factor adjusted based in part on the second group saturation number is applied to a third group of samples of the data signal received in the selected timeslot.

13. (New) The receiver of claim 12 wherein the gain control loop is configured to process a plurality of samples of the data signal received in the selected timeslot between processing said first group of samples and said second group of samples and to process a plurality of samples of the data signal received in the selected timeslot between processing said second group of samples and said third group of samples.

14. (New) The receiver of claim 12 wherein the gain control adjustment circuit is configured to make gain factor adjustments using a power correction factor.

15. (New) The receiver of claim 12 wherein the gain control adjustment circuit is configured to make gain factor adjustments using a power correction factor that is based in part upon a group saturation number determined by the saturation detection circuit.

16. (New) The receiver of claim 12 wherein the gain control adjustment circuit is configured to make gain factor adjustments using a power correction factor that is based in part upon a group saturation number determined by the saturation detection circuit by using a lookup table to receive the determined number and to output the power correction factor.

17. (New) The receiver of claim 12 wherein the saturation detection circuit is configured to compare a determined number of samples exceeding the saturation criteria out of a selected group of samples to a threshold and to erase the selected group of samples if said threshold is exceeded.

18. (New) A wireless transmit receive unit (WTRU) comprising the receiver of claim 12.

19. (New) A base station comprising the receiver of claim 12.